

#2  
OIFE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/923,236

DATE: 08/14/2001

TIME: 12:32:02

Input Set : A:\98-71D1.txt

Output Set: N:\CRF3\08142001\I923236.raw

ENTERED

4 <110> APPLICANT: Sheppard, Paul O.  
5 Adler, David A.  
7 <120> TITLE OF INVENTION: SECRETED SALIVARY ZSIG63 POLYPEPTIDE  
9 <130> FILE REFERENCE: 97-71  
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/923,236  
C--> 11 <141> CURRENT FILING DATE: 2001-08-03  
11 <150> PRIOR APPLICATION NUMBER: US 60/124,820  
12 <151> PRIOR FILING DATE: 1999-03-17  
14 <160> NUMBER OF SEQ ID NOS: 9  
16 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
18 <210> SEQ ID NO: 1  
19 <211> LENGTH: 1008  
20 <212> TYPE: DNA  
21 <213> ORGANISM: Homo sapiens  
23 <220> FEATURE:  
24 <221> NAME/KEY: CDS  
25 <222> LOCATION: (128)...(784)  
27 <400> SEQUENCE: 1

28	agacagacta	aaaaagccat	gtattctttc	gtttctctct	aaaagaagaa	aaatataatt	60
29	taaaaaata	cttgctattt	tctaaaacaa	taaatttata	gtgtaatat	tcatagggtc	120
30	aatcaaaa	atg aag ctt	ctc ctt tgg	gcc tgc att	gta tgt gtt	gct ttt	169
31		Met Lys Leu	Leu Leu Trp	Ala Cys Ile	Val Cys Val	Ala Phe	
32		1	5	10			
34	gca agg aag	aga cgg ttc	ccc ttc att	ggt gag gat	gac aat gac	gat	217
35	Ala Arg Lys	Arg Arg Phe	Pro Phe Ile	Gly Glu Asp	Asp Asn Asp	Asp	
36	15	20	25	30			
38	ggt cac cca	ctt cat cca	tct ctg aat	att cct tat	ggc ata cgg	aat	265
39	Gly His Pro	Leu His Pro	Ser Leu Asn	Ile Pro Tyr	Gly Ile Arg	Asn	
40		35	40	45			
42	tta cca cct	cct ctt tat	tat cgc cca	gtg aat aca	gtc ccc agt	tac	313
43	Leu Pro Pro	Pro Leu Tyr	Tyr Arg Pro	Val Asn Thr	Val Pro Ser	Tyr	
44		50	55	60			
46	cct ggg aat	act tac act	gac aca ggg	tta cct tcg	tat ccc tgg	att	361
47	Pro Gly Asn	Thr Tyr Thr	Asp Thr Gly	Leu Pro Ser	Tyr Pro Trp	Ile	
48		65	70	75			
50	cta act tct	cct gga ttc	ccc tat gtc	tat cac atc	cgt ggt ttt	ccc	409
51	Leu Thr Ser	Pro Gly Phe	Pro Tyr Val	Tyr His Ile	Arg Gly Phe	Pro	
52		80	85	90			
54	tta gct act	cag ttg aat	gtt cct cct	ctc cct agg	ggt ttc ccg		457
55	Leu Ala Thr	Gln Leu Asn	Val Pro Pro	Leu Pro Pro	Arg Gly Phe	Pro	
56	95	100	105	110			
58	ttt gtc cct	cct tca agg	ttt ttt tca	gca gct gca	gca ccc gct	gcc	505
59	Phe Val Pro	Pro Ser Arg	Phe Phe Ser	Ala Ala Ala	Ala Pro Ala	Ala	
60		115	120	125			
62	cca cct att	gca gct gag	cct gct gca	gct gca cct	ctt aca gcc	aca	553
63	Pro Pro Ile	Ala Ala Glu	Pro Ala Ala	Ala Ala Pro	Leu Thr Ala	Thr	
64		130	135	140			

## RAW SEQUENCE LISTING

DATE: 08/14/2001

PATENT APPLICATION: US/09/923,236

TIME: 12:32:03

Input Set : A:\98-71D1.txt

Output Set: N:\CRF3\08142001\I923236.raw

```

66 cct gta gca gct gag cct gct gca ggg gcc cct gtt gca gct gag cct      601
67 Pro Val Ala Ala Glu Pro Ala Ala Gly Ala Pro Val Ala Ala Glu Pro
68      145      150      155
70 gct gca gag gca cct gtt gga gct gag cct gct gca gag gca cct gtt      649
71 Ala Ala Glu Ala Pro Val Gly Ala Glu Pro Ala Ala Glu Ala Pro Val
72      160      165      170
74 gca gct gag cct gct gca gag gca cct gtt gga gtg gag cca gct gca      697
75 Ala Ala Glu Pro Ala Ala Glu Ala Pro Val Gly Val Glu Pro Ala Ala
76      175      180      185      190
78 gag gaa cct tca cca gct gag cct gct aca gcc aag cct gct gcc cca      745
79 Glu Glu Pro Ser Pro Ala Glu Pro Ala Thr Ala Lys Pro Ala Ala Pro
80      195      200      205
82 gaa cct cac cct tct ccc tct ctt gaa cag gca aat cag tgaaattctc      794
83 Glu Pro His Pro Ser Pro Ser Leu Glu Gln Ala Asn Gln
84      210      215
86 tagaagagta coattgggttc atttctatac tgatgcagaa ataagtgaata tctacaaaag      854
87 ttttctttct tttccaaaga ctatttcatt ctgttggtatt cagagtattc atctcactac      914
88 attgatttgt ttgtggtagt ttttccttgg acttaattta tattgaaaaa acattgataa      974
89 ttaaataaat aaaatagata atttagacca atgg      1008
91 <210> SEQ ID NO: 2
92 <211> LENGTH: 219
93 <212> TYPE: PRT
94 <213> ORGANISM: Homo sapiens
96 <400> SEQUENCE: 2
97 Met Lys Leu Leu Leu Trp Ala Cys Ile Val Cys Val Ala Phe Ala Arg
98 1 5 10 15
99 Lys Arg Arg Phe Pro Phe Ile Gly Glu Asp Asp Asn Asp Asp Gly His
100 20 25 30
101 Pro Leu His Pro Ser Leu Asn Ile Pro Tyr Gly Ile Arg Asn Leu Pro
102 35 40 45
103 Pro Pro Leu Tyr Tyr Arg Pro Val Asn Thr Val Pro Ser Tyr Pro Gly
104 50 55 60
105 Asn Thr Tyr Thr Asp Thr Gly Leu Pro Ser Tyr Pro Trp Ile Leu Thr
106 65 70 75 80
107 Ser Pro Gly Phe Pro Tyr Val Tyr His Ile Arg Gly Phe Pro Leu Ala
108 85 90 95
109 Thr Gln Leu Asn Val Pro Pro Leu Pro Pro Arg Gly Phe Pro Phe Val
110 100 105 110
111 Pro Pro Ser Arg Phe Phe Ser Ala Ala Ala Pro Ala Ala Pro Pro
112 115 120 125
113 Ile Ala Ala Glu Pro Ala Ala Ala Pro Leu Thr Ala Thr Pro Val
114 130 135 140
115 Ala Ala Glu Pro Ala Ala Gly Ala Pro Val Ala Ala Glu Pro Ala Ala
116 145 150 155 160
117 Glu Ala Pro Val Gly Ala Glu Pro Ala Ala Glu Ala Pro Val Ala Ala
118 165 170 175
119 Glu Pro Ala Ala Glu Ala Pro Val Gly Val Glu Pro Ala Ala Glu Glu
120 180 185 190
121 Pro Ser Pro Ala Glu Pro Ala Thr Ala Lys Pro Ala Ala Pro Glu Pro

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/923,236

DATE: 08/14/2001

TIME: 12:32:03

Input Set : A:\98-71D1.txt

Output Set: N:\CRF3\08142001\I923236.raw

```

122          195          200          205
123 His Pro Ser Pro Ser Leu Glu Gln Ala Asn Gln
124          210          215
126 <210> SEQ ID NO: 3
127 <211> LENGTH: 657
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence ✓
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Degenerate polynucleotide sequence for zsig63 ✓
134 <221> NAME/KEY: misc_feature
135 <222> LOCATION: (1)...(657) ✓
136 <223> OTHER INFORMATION: n = A,T,C or G
138 <400> SEQUENCE: 3
W--> 139 atgaarytny tnyntggggc ntgyathgtn tgygtngcnt tygcnmgnaa rmgnmgntty 60
W--> 140 ccnttyathg gngargayga yaaygaygay ggncayccny tncayccnws nytnaayath 120
W--> 141 ccntayggna thmgnaayyt nccnccnccn ytntaytaym gncngtnaa yacngtnccn 180
W--> 142 wsntayccng gnaayacnta yacngayaen ggnytnccnw sntayccntg gathytnacn 240
W--> 143 wsncnccngt tyccntaygt ntaycayath mgnggnttyc cnytnngnac ncarytnaay 300
W--> 144 gtncnccny tncnccnmg nggnttyccn ttygtncnc cnwsnmgntt yttywsngcn 360
W--> 145 gcngcngcnc cngcngcnc nccnathgcn gcngarccng cngcngcngc nccnytnacn 420
W--> 146 gcnacnccng tngcngcnga rccngcngcn ggngcncng tngcngcnga rccngcngcn 480
W--> 147 gargncnccng tnggngcnga rccngcngcn gargncnccng tngcngcnga rccngcngcn 540
W--> 148 gargncnccng tnggngtnga rccngcngcn gargarccnw snccngcnga rccngcnacn 600
W--> 149 gcnaarccng cngcncnga rccncayccn wsncnwsny tngarcargc naaycar ✓ 657
151 <210> SEQ ID NO: 4
152 <211> LENGTH: 25
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence ✓
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Oligonucleotide primer ZC6768 ✓
159 <400> SEQUENCE: 4
160 gcaattaacc ctactaaag ggaac 25
162 <210> SEQ ID NO: 5
163 <211> LENGTH: 20
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence ✓
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Oligonucleotide primer ZC694 ✓
170 <400> SEQUENCE: 5
171 taatacgact cactataggg 20
173 <210> SEQ ID NO: 6
174 <211> LENGTH: 26
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence ✓
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Oligonucleotide primer ZC7231 ✓
181 <400> SEQUENCE: 6
182 tttttttttt tttttttttt tttttv 26
184 <210> SEQ ID NO: 7

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/923,236

DATE: 08/14/2001

TIME: 12:32:03

Input Set : A:\98-71D1.txt

Output Set: N:\CRF3\08142001\I923236.raw

185 <211> LENGTH: 26  
186 <212> TYPE: DNA  
187 <213> ORGANISM: Artificial Sequence ✓  
189 <220> FEATURE:  
190 <223> OTHER INFORMATION: Oligonucleotide primer ZC7764a ✓  
192 <400> SEQUENCE: 7  
193 tttttttttt tttttttttt ttttta 26  
195 <210> SEQ ID NO: 8  
196 <211> LENGTH: 18  
197 <212> TYPE: DNA  
198 <213> ORGANISM: Artificial Sequence ✓  
200 <220> FEATURE:  
201 <223> OTHER INFORMATION: Oligonucleotide primer ZC20555 ✓  
203 <400> SEQUENCE: 8  
204 ccacctcctc ttattat 18  
206 <210> SEQ ID NO: 9  
207 <211> LENGTH: 18  
208 <212> TYPE: DNA  
209 <213> ORGANISM: Artificial Sequence ✓  
211 <220> FEATURE:  
212 <223> OTHER INFORMATION: Oligonucleotide primer ZC20556 ✓  
214 <400> SEQUENCE: 9  
215 aatccaggag aagttaga 18

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/923,236

DATE: 08/14/2001

TIME: 12:32:04

Input Set : A:\98-71D1.txt

Output Set: N:\CRF3\08142001\I923236.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3